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NEW LITERATURE ON RADIO PROBLEMS

Vestnik Svyazi /Communications  
Herald/, No 5, 1955, Moscow,  
inside back cover

Unsigned Article

Alekseyev, S. P., Kubarkin, L. V., Loseva, A. A., Kak Provodiyatsya  
Televizionnye Peredachi /How Television Transmissions Are Conducted/,  
1954, Moscow, The All-Union Society for Dissemination of Political  
and Scientific Knowledge, Znaniye Publishing House, 48 pages, 1.2  
rubles.

In the first part of the pamphlet the technology of television  
transmissions is related in popular form: the second part is devoted  
to problems of organizing transmissions.

Arshinov, S. S., Raschet Lampovykh Generatorov (Generatory nezavisimogo  
vozbuzhdeniya maloy i srednoy moschnosti) /Computation of Tube  
Generators (Generators of Separate Excitation of Small and Medium  
Capacity)/, 1955, Moscow-Leningrad, Gosenergoizdat, 359 pages,  
14.20 rubles.

The book gives the fundamentals for computing the duties and  
parts of small and medium capacity tube generators of separate  
excitation. Chief attention is given to getting optimal power  
ratios, increasing the accuracy of computation, and elucidation of  
certain problems which do not enter the program of the textbooks  
for the course 'Radio-Transmitting Devices.' The book is intended  
for engineers, technicians, and students of senior courses which  
specialize in the field of radio-transmitting devices.

Volin, M. L., Usiliteli promezhutochnoy chastoty /Amplifiers of Inter-  
mediate Frequency/, 1955, Moscow-Leningrad, Gosenergoizdat, second  
edition, revised, 176 pages, price 6.6 rubles.

The theory and simplified methods of computing intermediate frequency amplifiers of radio receivers are expounded. Problems analyzed are screening, decoupling circuits, and choking parasitic feed-backs in amplifiers; an analysis is made of various circuits and designs of amplifiers. Distortions during amplification of various kinds of signals are examined and grounds are elaborated for selection of the main parameters of amplifiers. The book is intended for radio specialists engaged in the design, production, and regulation of radio receivers for any wave lengths. It can also be used as a textbook by university and technical institute students when studying corresponding sections of the course "Radio-Receiving Devices."

Yel'yashkevich, S. A., Ustraneniye neispravnostey v televizore /Eliminating Faults in Television Receiver/ Mass Radio Library, No 211, 1954, Moscow-Leningrad, Gosenergoizdat, 152 pages, 2 insets, 4.2 rubles.

Methods are related for checking the main indexes of the television set by external signs, determining a faulty unit by means of block-circuits and finding breakdowns in separate stages of the television set. On the example of sets being produced, the circuit singularities of separate units and faults that arise in them are examined. Separate chapters of the book are devoted to reducing the

STAT

effect of interference on reception, to eliminating distortions because of incorrect installation of antenna and to instruments necessary for making the main measurements during the checkup and tuning of the television set. Also given are brief descriptions and circuits of the television sets "Avangard," "Sever," and "Temp." The book is intended for radio amateurs and radio technicians who are engaged in the repair of television sets.

Kalantarov, P. L. and Tseytlin, L. A., Raschet induktivnosti [Computation of Inductance], reference book, 1955, Moscow-Leningrad, Gosenergoizdat, 368 pages, 12.5 rubles.

The book examines questions of computing inductance that engineers have to confront when solving many problems related to various fields of electrical engineering. Formulas are given, tables and curves for computing the separate and mutual inductance of wires, circuits and coils of diverse form. The general formulas and methods of computing are illustrated by numerical examples. The book is intended for engineers and research workers.

Radio. Sbornik statey iz zhurnala "Radio" [Collected Volume of Articles from the Magazine "Radio"], 1954, Moscow, Dosaaf Publishing House, 215 pages, 1 inset, 4.1 rubles.

The volume contains 26 articles grouped in 3 parts: radio amateur movement, television and radio tubes.

Rizkin, A. A., Osnovy teorii usilitel'nykh skhem [Foundations of the Theory of Amplifying Circuits], second edition, 1954, Moscow, "Sovetskoye Radio" Publishing House, 439 pages, 13.5 rubles.

The book consists of 11 chapters: general methods of analyzing amplifying circuits, selective amplifiers, amplifiers of voltage of sound frequencies, amplifiers with feed-back, certain circuits of amplifiers with feed-back, wide-band amplifiers, impulse amplifiers, certain circuits of impulse amplifiers, amplifiers of direct current, amplifiers of capacity of sound frequencies, tubeless amplifiers. Appendixes give approximate methods of constructing characteristics, theorem of the duality of couplings and dual circuits, graphical computation of corrections of the frequency characteristics of feed-back and table of operational ratios.

Ministry of the Radio Technical Industry USSR, Tekhnika televideniya [Technology of Television], No 3 (9), 1954, Moscow-Leningrad, Gosenergoizdat, 48 pages, gratis.

The following articles appear: N. D. Galinskiy, "On the Function of Target of Shmakov-Timofeyev Transmitting Tube"; Yu. A. Nemilov and V. E. Privalova, "Effect of Oxygen on Certain Physical Properties of the Antimonic-Cesium Photo-cathode"; B. V. Krusser, "General Method of Computing Television Transmitting Tubes with Accumulation of Charges"; and I. K. Malakhov, "Development of Methods of Taking Down Aperture Characteristics of Transmitting Tubes."

Troitskiy, L. V., Sbornik otvetov na voprosy radiolyubitely [Symposium of Replies to Questions of Radio Amateurs], Mass Radio Library, No 214, 1954, Moscow-Leningrad, Gosenergoizdat, 112 pages, 3.8 rubles.

The volume contains replies to questions often encountered in radio amateur practice. The replies are drawn up on the basis of materials and practical proposals that have been published in the